SEQ. ID NO. I

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   1  CAGGTGGCAC TTTTCGGGGA AATGTGCGCG GAACCCCTAT TTGTTTATTT
      GTCCACCGTG AAAAGCCCCT TTACACGCGC CTTGGGGATA AACAAATAAA

  51  TTCTAAATAC ATTCAAATAT GTATCCGCTC ATGAGACAAT AACCCTGATA
      AAGATTTATG TAAGTTTATA CATAGGCGAG TACTCTGTTA TTGGGACTAT

 101  AATGCTTCAA TAATATTGAA AAAGGAAGAG TATGAGTATT CAACATTTCC
      TTACGAAGTT ATTATAACTT TTTCCTTCTC ATACTCATAA GTTGTAAAGG

 151  GTGTCGCCCT TATTCCCTTT TTTGCGGCAT TTTGCCTTCC TGTTTTTGCT
      CACAGCGGGA ATAAGGGAAA AAACGCCGTA AAACGGAAGG ACAAAAACGA

 201  CACCCAGAAA CGCTGGTGAA AGTAAAAGAT GCTGAAGATC AGTTGGGTGC
      GTGGGTCTTT GCGACCACTT TCATTTTCTA CGACTTCTAG TCAACCCACG

 251  ACGAGTGGGT TACATCGAAC TGGATCTCAA CAGCGGTAAG ATCCTTGAGA
      TGCTCACCCA ATGTAGCTTG ACCTAGAGTT GTCGCCATTC TAGGAACTCT

 301  GTTTTCGCCC CGAAGAACGT TTTCCAATGA TGAGCACTTT TAAAGTTCTG
      CAAAAGCGGG GCTTCTTGCA AAAGGTTACT ACTCGTGAAA ATTTCAAGAC

 351  CTATGTGGCG CGGTATTATC CCGTGTTGAC GCCGGGCAAG AGCAACTCGG
      GATACACCGC GCCATAATAG GGCACAACTG CGGCCCGTTC TCGTTGAGCC

 401  TCGCCGCATA CACTATTCTC AGAATGACTT GGTTGAGTAC TCACCAGTCA
      AGCGGCGTAT GTGATAAGAG TCTTACTGAA CCAACTCATG AGTGGTCAGT

 451  CAGAAAAGCA TCTTACGGAT GGCATGACAG TAAGAGAATT ATGCAGTGCT
      GTCTTTTCGT AGAATGCCTA CCGTACTGTC ATTCTCTTAA TACGTCACGA

 501  GCCATAACCA TGAGTGATAA CACTGCGGCC AACTTACTTC TGACAACGAT
      CGGTATTGGT ACTCACTATT GTGACGCCGG TTGAATGAAG ACTGTTGCTA

 551  CGGAGGACCG AAGGAGCTAA CCGCTTTTTT GCACAACATG GGGGATCATG
      GCCTCCTGGC TTCCTCGATT GGCGAAAAAA CGTGTTGTAC CCCCTAGTAC

 601  TAACTCGCCT TGATCGTTGG GAACCGGAGC TGAATGAAGC CATACCAAAC
      ATTGAGCGGA ACTAGCAACC CTTGGCCTCG ACTTACTTCG GTATGGTTTG

 651  GACGAGCGTG ACACCACGAT GCCTGCAGCA ATGGCAACAA CGTTGCGCAA
      CTGCTCGCAC TGTGGTGCTA CGGACGTCGT TACCGTTGTT GCAACGCGTT

 701  ACTATTAACT GGCGAACTAC TTACTCTAGC TTCCCGGCAA CAATTAATAG
      TGATAATTGA CCGCTTGATG AATGAGATCG AAGGGCCGTT GTTAATTATC

 751  ACTGGATGGA GGCGGATAAA GTTGCAGGAC CACTTCTGCG CTCGGCCCTT
      TGACCTACCT CCGCCTATTT CAACGTCCTG GTGAAGACGC GAGCCGGGAA

 801  CCGGCTGGCT GGTTTATTGC TGATAAATCT GGAGCCGGTG AGCGTGGGTC
      GGCCGACCGA CCAAATAACG ACTATTTAGA CCTCGGCCAC TCGCACCCAG

 851  TCGCGGTATC ATTGCAGCAC TGGGGCCAGA TCCATTCGGG AGGGCATAGC
      AGCGCCATAG TAACGTCGTG ACCCCGGTCT AGGTAAGCCC TCCCGTATCG

 901  ATCAATAGAT GTGCTGCCCC TCAGTCCGTT GATACCTACT TGGTAAGCCC
      TAGTTATCTA CACGACGGGG AGTCAGGCAA CTATGGATGA ACCATTCGGG
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 951  TCCCGTATCG TAGTTATCTA CACGACGGGG AGTCAGGCAA CTATGGATGA
      AGGGCATAGC ATCAATAGAT GTGCTGCCCC TCAGTCCGTT GATACCTACT
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1001  ACGAAATAGA CAGATCGCTG AGATAGGTGC CTCACTGATT AAGCATTGGT
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1051  AACTGTCAGA CCAAGTTTAC TCATATATAC TTTAGATTGA TTTAAAACTT
      TTGACAGTCT GGTTCAAATG AGTATATATG AAATCTAACT AAATTTTGAA
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1101  CATTTTTAAT TTAAAAGGAT CTAGGTGAAG ATCCTTTTTG ATAATCTCAT
      GTAAAAATTA AATTTTCCTA GATCCACTTC TAGGAAAAAC TATTAGAGTA
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1151  GACCAAAATC CCTTAACGTG AGTTTTCGTT CCACTGAGCG TCAGACCCCG
      CTGGTTTTAG GGAATTGCAC TCAAAAGCAA GGTGACTCGC AGTCTGGGGC
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1201  TAGAAAAGAT CAAAGGATCT TCTTGAGATC CTTTTTTTCT GCGCGTAATC
      ATCTTTTCTA GTTTCCTAGA AGAACTCTAG GAAAAAAAGA CGCGCATTAG
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1251  TGCTGCTTGC AAACAAAAAA ACCACCGCTA CCAGCGGTGG TTTGTTTGCC
      ACGACGAACG TTTGTTTTTT TGGTGGCGAT GGTCGCCACC AAACAAACGG
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1301  GGATCAAGAG CTACCAACTC TTTTTCCGAA GGTAACTGGC TTCAGCAGAG
      CCTAGTTCTC GATGGTTGAG AAAAAGGCTT CCATTGACCG AAGTCGTCTC
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1351  CGCAGATACC AAATACTGTC CTTCTAGTGT AGCCGTAGTT AGGCCACCAC
      GCGTCTATGG TTTATGACAG GAAGATCACA TCGGCATCAA TCCGGTGGTG
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1401  TTCAAGAACT CTGTAGCACC GCCTACATAC CTCGCTCTGC TAATCCTGTT
      AAGTTCTTGA GACATCGTGG CGGATGTATG GAGCGAGACG ATTAGGACAA
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1451  ACCAGTGGCT GCTGCCAGTG GCGATAAGTC GTGTCTTACC GGGTTGGACT
      TGGTCACCGA CGACGGTCAC CGCTATTCAG CACAGAATGG CCCAACCTGA
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1501  CAAGACGATA GTTACCGGAT AAGGCGCAGC GGTCGGGCTG AACGGGGGGT
      GTTCTGCTAT CAATGGCCTA TTCCGCGTCG CCAGCCCGAC TTGCCCCCCA
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1551  TCGTGCACAC AGCCCAGCTT GGAGCGAACG ACCTACACCG AACTGAGATA
      AGCACGTGTG TCGGGTCGAA CCTCGCTTGC TGGATGTGGC TTGACTCTAT
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1601  CCTACAGCGT GAGCTATGAG AAAGCGCCAC GCTTCCCGAA GGGAGAAAGG
      GGATGTCGCA CTCGATACTC TTTCGCGGTG CGAAGGGCTT CCCTCTTTCC
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1651  CGGACAGGTA TCCGGTAAGC GGCAGGGTCG GAACAGGAGA GCGCACGAGG
      GCCTGTCCAT AGGCCATTCG CCGTCCCAGC CTTGTCCTCT CGCGTGCTCC
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1701  GAGCTTCCAG GGGGAAACGC CTGGTATCTT TATAGTCCTG TCGGGTTTCG
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1751  CCACCTCTGA CTTGAGCGTC GATTTTTGTG ATGCTCGTCA GGGGGGCGGA
      GGTGGAGACT GAACTCGCAG CTAAAAACAC TACGAGCAGT CCCCCCGCCT
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1801  GCCTATGGAA AAACGCCAGC AACGCGGCCT TTTTACGGTT CCTGGCCTTT
      CGGATACCTT TTTGCGGTCG TTGCGCCGGA AAAATGCCAA GGACCGGAAA
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1851  TGCTGGCCTT TTGCTCACAT GTTCTTTCCT GCGTTATCCC CTGATTCTGT
      ACGACCGGAA AACGAGTGTA CAAGAAAGGA CGCAATAGGG GACTAAGACA
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2851  CAATCAACAA AACAATGATG ATGTAATCAT AAGGAAGTAG TTTAAAATAG
      GTTAGTTGTT TTGTTACTAC TACATTAGTA TTCCTTCATC AAATTTTATC
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2901  GTTAATAAGT TTATTAGTTA TATAGAAAAT AATATAGGAT AAAGTATAAG
      CAATTATTCA AATAATCAAT ATATCTTTTA TTATATCCTA TTTCATATTC
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2951  GATTAAGGTA TGAGGTGTGT GGCTCAACAC GTAGGGTGAC AAGAAAATCT
      CTAATTCCAT ACTCCACACA CCGAGTTGTG CATCCCACTG TTCTTTTAGA
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3001  ACTGTAATAG GACACAACAC CTCTAAAGTT GCCCGTGGGA AGGTGAAGTG
      TGACATTATC CTGTGTTGTG GAGATTTCAA CGGGCACCCT TCCACTTCAC
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3051  AGATCGAATC TTTCCTTAAC GCAGACAGCT TTTTATCCAC TAGGGATAAT
      TCTAGCTTAG AAAGGAATTG CGTCTGTCGA AAAATAGGTG ATCCCTATTA
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3101  GTTTTAAGGA ATACTATAGT AATAGATTGA TAGTTTTAAC AATGATGGAA
      CAAAATTCCT TATGATATCA TTATCTAACT ATCAAAATTG TTACTACCTT
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3151  ATAGTATATA AGGATAGTTT CTAGATTGTA CGGGAGCTCT TCACTACTCG
      TATCATATAT TCCTATCAAA GATCTAACAT GCCCTCGAGA AGTGATGAGC
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3201  CTGCGTCGAG AGTGTACGAG ACTCTCCAGG TTTGGTAAGA AATATTTTAT
      GACGCAGCTC TCACATGCTC TGAGAGGTCC AAACCATTCT TTATAAAATA
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3251  ATTGTTATAA TGTTACTATG ATCCATTAAC ACTCTGCTTA TAGATTGTAA
      TAACAATATT ACAATGATAC TAGGTAATTG TGAGACGAAT ATCTAACATT
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3301  GGGTGATTGC AATGCTTTCT GCATAAAACT TTGGTTTTCT TGTTAATCAA
      CCCACTAACG TTACGAAAGA CGTATTTTGA AACCAAAAGA ACAATTAGTT
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3351  TAAACCGACT TGATTCGAGA ACCTACTCAT ATATTATTGT CTCTTTTATA
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3401  CTTTATTAAG TAAAAGGATT TGTATATTAG CCTTGCTAAG GGAGACATCT
      GAAATAATTC ATTTTCCTAA ACATATAATC GGAACGATTC CCTCTGTAGA
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3451  AGTGATATAA GTGTGAACTA CACTTATCTT AAATGATGTA ACTCCTTAGG
      TCACTATATT CACACTTGAT GTGAATAGAA TTTACTACAT TGAGGAATCC
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3501  ATAATCAATA TACAAAATTC CATGACAATT GGCGCCCAAC GTGGGGCTCG
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3551  AATATAAGTC GGGTTTATTT GTAAATTATC CCTAGGGACC TCCGAGCATA
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3601  GCGGGAGGCA TATAAAAGCC AATAGACAAT GGCTTCAGGA AGTAATGTTG
      CGCCCTCCGT ATATTTTCGG TTATCTGTTA CCGAAGTCCT TCATTACAAC
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3651  AAGAATATGA ACTTGATGTT GAAGCTCTGG TTGTAATTTT AAGAGATAGA
      TTCTTATACT TGAACTACAA CTTCGAGACC AACATTAAAA TTCTCTATCT
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3701  AATATACCAA GAAATCCTTT ACATGGAGAA GTTATAGGTC TTCGCCTTAC
      TTATATGGTT CTTTAGGAAA TGTACCTCTT CAATATCCAG AAGCGGAATG
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3751  TGAAGGATGG TGGGGACAAA TTGAGAGATT TCAGATGGTA CGTCTAATAT
      ACTTCCTACC ACCCCTGTTT AACTCTCTAA AGTCTACCAT GCAGATTATA
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3801  TACAAGATGA TGATAATGAA CCTTTACAGA GACCTAGATA TGAGGTAATA
      ATGTTCTACT ACTATTACTT GGAAATGTCT CTGGATCTAT ACTCCATTAT
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3851  CAACGAGCTG TAAACCCTCA TACAATGTTT ATGATATCAG GACCATTAGC
      GTTGCTCGAC ATTTGGGAGT ATGTTACAAA TACTATAGTC CTGGTAATCG
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3901  TGAACTTCAA TTAGCCTTTC AGGATTTAGA TTTACCTGAA GGTCCATTGA
      ACTTGAAGTT AATCGGAAAG TCCTAAATCT AAATGGACTT CCAGGTAACT
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3951  GGTTTGGTCC ATTGGCAAAT GGACATTATG TTCAAGGAGA TCCTTATAGT
      CCAAACCAGG TAACCGTTTA CCTGTAATAC AAGTTCCTCT AGGAATATCA
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4001  AGTTCTTACA GACCAGTAAC AATGGCCGAA ACAGCCCAAA TGACTAGAGA
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4051  TGAACTGGAA GATGTTCTTA ATACTCAAAG TGAAATAGAA ATTCAAATGA
      ACTTGACCTT CTACAAGAAT TATGAGTTTC ACTTTATCTT TAAGTTTACT
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4101  TAAATTTATT GGAGTTGTAT GAAGTTGAAA CTAGAGCTCT TAGAAGACAA
      ATTTAAATAA CCTCAACATA CTTCAACTTT GATCTCGAGA ATCTTCTGTT
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4151  TTAGCTGAGA GATCTAGTAC AGGGCAAGGA GGAATATCCC CAGGAGCTCC
      AATCGACTCT CTAGATCATG TCCCGTTCCT CCTTATAGGG GTCCTCGAGG
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4201  TCGTTCTCGA CCACCAGTAA GCAGCTTCTC AGGGTTACCA AGTTTGCCCT
      AGCAAGAGCT GGTGGTCATT CGTCGAAGAG TCCCAATGGT TCAAACGGGA
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4251  CTATACCTGG GATTCATCCC AGGGCACCTT CACCTCCAAG GGCAACTTCT
      GATATGGACC CTAAGTAGGG TCCCGTGGAA GTGGAGGTTC CCGTTGAAGA
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4301  ACTCCCCGAA ATATTCCTTG GAGTTTAGGA GATGATAGCC CACCTTCATC
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4351  TAGTTTTCCT GGACCCTCTC AACCTCGTGT TTCTTTCCAT CCGGGAAATC
      ATCAAAAGGA CCTGGGAGAG TTGGAGCACA AAGAAAGGTA GGCCCTTTAG
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4401  CTTTTGTTGA AGAAGAAGGT CATAGACCTA GATCCCAGTC TAGAGAAAGG
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4451  AGAAGAGAAA TTCTTCCTGC TCCTGTACCG TCAGCACCTC CTATGATTCA
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4501  GTATATACCA GTACCACCTC CACCACCGAT TGGCACGGTT ATACCTATTC
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4551  AGCATATCAG ATCTGTAACT GGAGAGCCTC CTAGAAACCC AAGAGAAATA
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4601  CCAATTTGGC TAGGACGAAA TGCTCCTGCT ATAGATGGAG TGTTCCCTGT
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4651  TACAACACCG GATCTAAGAT GCAGAATAAT TAATGCTATA CTAGGAGGAA
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4701  ATATTGGGCT ATCATTAACC CCTGGAGACT GTTTAACATG GGACTCAGCA
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4751  GTAGCCACCT TATTTATTAG AACCCATGGA ACTTTTCCAA TGCATCAGCT
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4801  TGGAAATGTA ATAAAAGGCA TAGTTGATCA AGAAGGAGTG GCAACAGCAT
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4851  ATACTTTGGG AATGATGCTT TCTGGACAAA ATTATCAATT AGTTTCTGGA
      TATGAAACCC TTACTACGAA AGACCTGTTT TAATAGTTAA TCAAAGACCT
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4901  ATAATTAGAG GATATTTGCC TGGACAAGCT GTAGTAACTG CATTACAACA
      TATTAATCTC CTATAAACGG ACCTGTTCGA CATCATTGAC GTAATGTTGT
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4951  GCGTTTAGAC CAAGAAATAG ATAATCAAAC AAGAGCAGAG ACTTTTATTC
      CGCAAATCTG GTTCTTTATC TATTAGTTTG TTCTCGTCTC TGAAAATAAG
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5001  AACATCTAAA TGCTGTATAT GAAATTTTAG GCCTTAATGC CAGAGGACAA
      TTGTAGATTT ACGACATATA CTTTAAAATC CGGAATTACG GTCTCCTGTT
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5051  AGTATACGTG CTTCAGTGAC TCCTCAACCC CGACCATCCA GAGGTAGAGG
      TCATATGCAC GAAGTCACTG AGGAGTTGGG GCTGGTAGGT CTCCATCTCC
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5101  TCGAGGTCAA AATACTTCTA GACCCTCTCA AGGACCAGCT AATAGCGGGC
      AGCTCCAGTT TTATGAAGAT CTGGGAGAGT TCCTGGTCGA TTATCGCCCG
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5151  GGGGACGACA GCGCCCTGCT TCTGGTCAAA GCAACAGAGG ATCTAGTACT
      CCCCTGCTGT CGCGGGACGA AGACCAGTTT CGTTGTCTCC TAGATCATGA
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5201  CAGAATCAAA ATCAAGATAA TTTAAATCAA GGAGGATATA ATCTTCGACC
      GTCTTAGTTT TAGTTCTATT AAATTTAGTT CCTCCTATAT TAGAAGCTGG
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5251  CCGTACTTAC CAACCTCAAA GGTACGGAGG AGGACGTGGA CGAAGATGGA
      GGCATGAATG GTTGGAGTTT CCATGCCTCC TCCTGCACCT GCTTCTACCT
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5301  ACGATAATAC TAACAATCAA GAGTCCAGAC CATCAGATCA AGGTTCTCAA
      TGCTATTATG ATTGTTAGTT CTCAGGTCTG GTAGTCTAGT TCCAAGAGTT
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5351  ACTCCTAGGC CAAATCAAGC AGGCTCTGGG GTGCGTGGCA ATCAGTCACA
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5401  AACTCCCAGA CCAGCTGCTG GTCGCGGAGG AAGAGGTAAC CACAAGCGAA
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5451  ACCAACGATC ATCCGGTGCT GGTGACTCAC GCGCTGTCAA TACCGTGACA
      TGGTTGCTAG TAGGCCACGA CCACTGAGTG CGCGACAGTT ATGGCACTGT
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5501  CAGAGTGCCA CGTCCTCCAC AGATGAATCC TCTTCAGCTG TTACAGCCGC
      GTCTCACGGT GCAGGAGGTG TCTACTTAGG AGAAGTCGAC AATGTCGGCG
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5551  TTCCGGCGGA GATCAAAGGG ACTAAATTGT TAGCCCACTG GGATTCAGGG
      AAGGCCGCCT CTAGTTTCCC TGATTTAACA ATCGGGTGAC CCTAAGTCCC
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5601  GCAACAATAA CTTGTATTCC TGAAAGTTTT TTAGAAGATG AACAACCTAT
      CGTTGTTATT GAACATAAGG ACTTTCAAAA AATCTTCTAC TTGTTGGATA
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5651  TAAAAAGACT TTAATAAAAA CAATTCATGG AGAAAAACAA CAAAATGTTT
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5701  ATTATGTAAC CTTTAAAGTT AAAGGAAGAA AAGTGGAAGC AGAAGTGATA
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5751  GCTTCTCCTT ATGAGTATAT TTTGCTGTCG CCAACAGATG TTCCTTGGTT
      CGAAGAGGAA TACTCATATA AAACGACAGC GGTTGTCTAC AAGGAACCAA
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5801  AACACAGCAA CCACTTCAGT TAACAATTTT AGTTCCTCTT CAAGAATATC
      TTGTGTCGTT GGTGAAGTCA ATTGTTAAAA TCAAGGAGAA GTTCTTATAG
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5851  AAGAGAAAAT CTTAAGTAAG ACTGCTCTTC CAGAAGATCA AAAACAACAA
      TTCTCTTTTA GAATTCATTC TGACGAGAAG GTCTTCTAGT TTTTGTTGTT
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5901  TTAAAAACCT TGTTTGTCAA GTATGACAAT CTATGGCAAC ATTGGGAAAA
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5951  TCAAGTCGGG CATAGAAAAA TTAGGCCACA TAATATAGCA ACTGGTGATT
      AGTTCAGCCC GTATCTTTTT AATCCGGTGT ATTATATCGT TGACCACTAA
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6001  ATCCTCCTCG CCCTCAAAAA CAATATCCTA TTAATCCTAA GGCAAAGCCT
      TAGGAGGAGC GGGAGTTTTT GTTATAGGAT AATTAGGATT CCGTTTCGGA
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6051  AGTATACAAA TTGTAATAGA TGACTTATTG AAACAAGGGG TGTTAACGCC
      TCATATGTTT AACATTATCT ACTGAATAAC TTTGTTCCCC ACAATTGCGG
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6101  TCAAAATAGT ACAATGAATA CACCAGTGTA TCCTGTTCCT AAACCAGATG
      AGTTTTATCA TGTTACTTAT GTGGTCACAT AGGACAAGGA TTTGGTCTAC
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6151  GAAGGTGGAG AATGGTATTA GATTATAGAG AAGTAAATAA AACTATTCCA
      CTTCCACCTC TTACCATAAT CTAATATCTC TTCATTTATT TTGATAAGGT
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6201  TTAACAGCTG CCCAAAACCA ACACTCTGCT GGTATTTTAG CTACTATTGT
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6251  TAGACAAAAA TATAAAACTA CCTTAGATTT AGCTAATGGA TTTTGGGCTC
      ATCTGTTTTT ATATTTTGAT GGAATCTAAA TCGATTACCT AAAACCCGAG
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6301  ATCCTATTAC ACCAGAATCT TATTGGTTAA CAGCATTTAC CTGGCAAGGT
      TAGGATAATG TGGTCTTAGA ATAACCAATT GTCGTAAATG GACCGTTCCA
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6351  AAACAGTATT GTTGGACACG TCTTCCTCAA GGATTTTTAA ATAGTCCAGC
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6401  ATTGTTTACA GCTGATGTAG TAGATTTACT AAAAGAAATC CCTAATGTAC
      TAACAAATGT CGACTACATC ATCTAAATGA TTTTCTTTAG GGATTACATG
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6451  AAGTGTATGT TGATGATATA TATTTAAGCC ATGATGATCC TAAAGAGCAT
      TTCACATACA ACTACTATAT ATAAATTCGG TACTACTAGG ATTTCTCGTA
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6501  GTTCAACAAT TAGAAAAAGT GTTTCAAATT TTACTACAGG CAGGATATGT
      CAAGTTGTTA ATCTTTTTCA CAAAGTTTAA AATGATGTCC GTCCTATACA
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6551  AGTATCTTTG AAAAAATCAG AAATTGGTCA AAAAACTGTA GAATTTTTAG
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6601  GATTTAATAT TACTAAAGAA GGTCGTGGCC TAACAGACAC TTTTAAAACA
      CTAAATTATA ATGATTTCTT CCAGCACCGG ATTGTCTGTG AAAATTTTGT
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6651  AAACTGTTAA ATATTACTCC TCCAAAAGAC TTAAAGCAAT TACAAAGCAT
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6701  ATTAGGATTG TTAAATTTTG CTAGAAATTT TATACCTAAT TTTGCTGAAC
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6751  TGGTACAACC ATTATACAAT TTAATAGCCT CAGCAAAAGG CAAATATATT
      ACCATGTTGG TAATATGTTA AATTATCGGA GTCGTTTTCC GTTTATATAA
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6801  GAGTGGTCTG AAGAAAATAC TAAACAATTA AATATGGTAA TAGAAGCATT
      CTCACCAGAC TTCTTTTATG ATTTGTTAAT TTATACCATT ATCTTCGTAA
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6851  AAACACTGCC TCTAATTTAG AAGAAAGGTT ACCAGAACAG AGACTGGTAA
      TTTGTGACGG AGATTAAATC TTCTTTCCAA TGGTCTTGTC TCTGACCATT
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6901  TTAAAGTCAA TACTTCTCCA TCAGCAGGAT ATGTAAGATA TTATAATGAG
      AATTTCAGTT ATGAAGAGGT AGTCGTCCTA TACATTCTAT AATATTACTC
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6951  ACTGGTAAAA AGCCTATTAT GTACCTAAAT TATGTGTTTT CCAAAGCAGA
      TGACCATTTT TCGGATAATA CATGGATTTA ATACACAAAA GGTTTCGTCT
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7001  ATTAAAATTT TCTATGTTAG AAAAACTATT AACTACAATG CACAAAGCCT
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7051  TAATTAAGGC TATGGATTTG GCCATGGGAC AAGAAATATT AGTTTATAGT
      ATTAATTCCG ATACCTAAAC CGGTACCCTG TTCTTTATAA TCAAATATCA
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7101  CCCATTGTAT CTATGACTAA AATACAAAAA ACTCCACTAC CAGAAAGAAA
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7151  AGCTTTACCC ATTAGATGGA TAACATGGAT GACTTATTTA GAAGATCCAA
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7201  GAATCCAATT TCATTATGAT AAAACCTTAC CAGAACTTAA GCATATTCCA
      CTTAGGTTAA AGTAATACTA TTTTGGAATG GTCTTGAATT CGTATAAGGT
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7251  GATGTATATA CATCTAGTCA GTCTCCTGTT AAACATCCTT CTCAATATGA
      CTACATATAT GTAGATCAGT CAGAGGACAA TTTGTAGGAA GAGTTATACT
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7301  AGGAGTGTTT TATACTGATG GCTCGGCCAT CAAAAGTCCT GATCCTACAA
      TCCTCACAAA ATATGACTAC CGAGCCGGTA GTTTTCAGGA CTAGGATGTT
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7351  AAAGCAATAA TGCTGGCATG GGAATAGTAC ATGCCACATA CAAACCTGAA
      TTTCGTTATT ACGACCGTAC CCTTATCATG TACGGTGTAT GTTTGGACTT
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7401  TATCAAGTTT TGAATCAATG GTCAATACCA CTAGGTAATC ATACTGCTCA
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7451  GATGGCTGAA ATAGCTGCAG TTGAATTTGC CTGTAAAAAA GCTTTAAAAA
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7501  TACCTGGTCC TGTATTAGTT ATAACTGATA GTTTCTATGT AGCAGAAAGT
      ATGGACCAGG ACATAATCAA TATTGACTAT CAAAGATACA TCGTCTTTCA
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7551  GCTAATAAAG AATTACCATA CTGGAAATCT AATGGGTTTG TTAATAATAA
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7601  GAAAAAGCCT CTTAAACATA TCTCCAAATG GAAATCTATT GCTGAGTGTT
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7651  TATCTATGAA ACCAGACATT ACTATTCAAC ATGAAAAAGG CATCAGCCTA
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7701  CAAATACCAG TATTCATACT GAAAGGCAAT GCCCTAGCAG ATAAGCTTGC
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7751  CACCCAAGGA AGTTATGTGG TTAATTGTAA TACCAAAAAA CCAAACCTGG
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7801  ATGCAGAGTT GGATCAATTA TTACAGGGTC ATTATATAAA AGGATATCCC
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7851  AAACAATATA CATATTTTTT AGAAGATGGC AAAGTAAAAG TTTCCAGACC
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7901  TGAAGGGGTT AAAATTATTC CCCCTCAGTC AGACAGACAA AAAATTGTGC
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7951  TTCAAGCCCA CAATTTGGCT CACACCGGAC GTGAAGCCAC TCTTTTAAAA
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8001  ATTGCCAACC TTTATTGGTG GCCAAATATG AGAAAGGATG TGGTTAAACA
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8051  ACTAGGACGC TGTCAACAGT GTTTAATCAC AAATGCTTCC AACAAAGCCT
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8101  CTGGTCCTAT TCTAAGACCA GATAGGCCTC AAAAACCTTT TGATAAATTC
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8151  TTTATTGACT ATATTGGACC TTTGCCACCT TCACAGGGAT ACCTATATGT
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8201  ATTAGTAGTT GTTGATGGAA TGACAGGATT CACTTGGTTA TACCCCACTA
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8251  AGGCTCCTTC TACTAGCGCA ACTGTTAAAT CTCTCAATGT ACTCACTAGT
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8301  ATTGCAATTC CAAAGGTGAT TCACTCTGAT CAAGGTGCAG CATTCACTTC
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8351  TTCAACCTTT GCTGAATGGG CAAAGGAAAG AGGTATACAT TTGGAATTCA
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8401  GTACTCCTTA TCACCCCCAA AGTGGTAGTA AGGTGGAAAG GAAAAATAGT
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8451  GATATAAAAC GACTTTTAAC TAAACTGCTA GTAGGAAGAC CCACAAAGTG
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8501  GTATGACCTA TTGCCTGTTG TACAACTTGC TTTAAACAAC ACCTATAGCC
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8551  CTGTATTAAA ATATACTCCA CATCAACTCT TATTTGGTAT AGATTCAAAT
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8601  ACTCCATTTG CAAATCAAGA TACACTTGAC TTGACCAGAG AAGAAGAACT
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8651  TTCTCTTTTA CAGGAAATTC GTACTTCTTT ATACCATCCA TCCACCCCTC
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8701  CAGCCTCCTC TCGTTCCTGG TCTCCTGTTG TTGGCCAATT GGTCCAGGAG
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8751  AGGGTGGCTA GGCCTGCTTC TTTGAGACCT CGTTGGCATA AACCGTCTAC
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8801  TGTACTTAAG GTGTTGAATC CAAGGACTGT TGTTATTTTG GACCATCTTG
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8901  AATGGCACCA CCAATGACAC TGCAACAATG GATCATTTGG AAAAAAATGA
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9201  GGTATTAGGA CCTGTAATAG ACTGGAATGT TACTCAAAGA GCTGTTTATC
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9251  AACCCTTACA GACTAGAAGG ATTGCACGTT CCCTTAGAAT GCAGCATCCT
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9301  GTTCCAAAAT ATGTGGAGGT AAATATGACT AGTATTCCAC AAGGTGTATA
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9351  CTATGAACCC CATCCGGAAC CCATAGTGGT GAAGGAGAGG GTCCTAGGTC
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9401  TTTCTCAAAT TCTGATGATT AATTCAGAAA ACATTGCTAA TAATGCTAAT
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 9701  ATAATAGACA GTCTATTTGG GATTACTATA TTAAAGTGGA GAGTATTAGA
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10151  AATGTGATGG ATTTTATAAC AATTCTAAGT GGATGCATAT GCATCCATAT
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10251  TAGAGATGGG GAAACTAAGA GATGTCTGTA TTATCCTTTA TGGGACAGTC
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11251  AGCTCAGACA CGAGTGATTG TCCTGTCTGG GCTGAAGCTG TAAAAGAACC
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11351  GTTCCACAGA CTGTCAGATC CCACCATATG TTCCTAGCAT CGTGACTGTT
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12101  AATGAGTAAG TCACTCTGTA AAAGACTTAT TTTATGTGGA TTGTATAGTG
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12151  CAGAAAAGGC CTCAGAGATT TTAAGGATGC CTTTTACAGT TTCTTGGGAA
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12201  CAATCAGATA CTGACCCTGA CTGTTTTATT GTAAGCTATA CATGTATATT
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12251  TTGTGATGCT GTAATACATG ATCCCATGCC CATAAGATGG GATCCTGAAG
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12701  TTTGGGTCCC CCCTCTGGGT CAGGTGAACA TTCAGTTTTA TAAGAATTAT
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13201  ATCGAGCTGA AGGGCATCGA CTTCAAGGAG GACGGCAACA TCCTGGGGCA
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14151  AATATAGGAT AAAGTATAAG GATTAAGGTA TGAGGTGTGT GGCTCAACAC
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 1381 atgcaaatgt taaaagagac catcaatgag gaagctgcag aatgggatag
attgcatcca
 1441 gtgcatgcag ggcctattgc accaggccag atgagagaac caaggggaag
tgacatagca
 1501 ggaactacta gtacccttca ggaacaaata ggatggatga cacataatcc
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 1561 gtaggagaaa tctataaaag atggataatc ctgggattaa ataaaatagt
aagaatgtat
 1621 agccctacca gcattctgga cataagacaa ggaccaaagg aacgctttag
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 1681 gaccgattct ataaaactct aagagccgag caagcttcac aagaggtaaa
aaattggatg
 1741 acagaaacct tgttggtcca aaatgcgaac ccagattgta agactatttt
aaaagcattg
 1801 ggaccaggag cgacactaga agaaatgatg acagcatgtc agggagtggg
gggacccggc
 1861 cataaagcaa gagttttggc tgaagcaatg agccaagtaa caaatccagc
taccataatg
 1921 atacagaaag gcaattttag gaaccaaaga aagactgtta agtgtttcaa
ttgtggcaaa
 1981 gaagggcaca tagccaaaaa ttgcagggcc cctaggaaaa agggctgttg
gaaatgtgga
 2041 aaggaaggac accaaatgaa agattgtact gagagacagg ctaatttttt
agggaagatc
 2101 tggccttccc acaagggaag gccagggaat tttcttcaga gcagaccaga
gccaacagcc
 2161 ccaccagaag agagcttcag gtttggggaa gagacaacaa ctccctctca
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 2221 ccgatagaca aggaactgta tcctttagct tccctcagat cactctttgg
cagcgacccc
 2281 tcgtcacaat aa
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SEQ ID NO: 3

MGARASVLSGGELDKWEKIRLRPGGKKQYKLKHIVWASRELERFAVNPGLLE
TSEGCRQILGQLQPSLQTGSEELRSLYNTIAVLYCVHQRIDVKDTKEALDKIEEE

QNKSKKKAQQAAADTGNNSQVSQNYPIVQNLQGQMVHQAISPRTLNAWVKV
VEEKAFSPEVIPMFSALSEGATPQDLNTMLNTVGGHQAAMQMLKETINEEAAE
WDRLHPVHAGPIAPGQMREPRGSDIAGTTSTLQEQIGWMTHNPPIPVGEIYKR
WIILGLNKIVRMYSPTSILDIRQGPKEPFRDYVDRFYKTLRAEQASQEVKNWMT
ETLLVQNANPDCKTILKALGPGATLEEMMTACQGVGGPGHKARVLAEAMSQ
VTNPATIMIQKGNFRNQRKTVKCFNCGKEGHIAKNCRAPRKKGCWKCGKEGH
QMKDCTERQANFLGKIWPSHKGRPGNFLQSRPEPTAPPEESFRFGEETTTPSQK
QEPIDKELYPLASLRSLFGSDPSSQ

SEQ ID NO: 4

MGARASVLSGGELDRWEKIRLRPGGKKKYKLKHIVWASRELERFAVNPGLLE
TSEGCRQILGQLQPSLQTGSEELRSLYNTVATLYCVHQRIEIKDTKEALDKIEEE
QNKSKKKAQQAAADTGHSSQVSQNYPIVQNIQGQMVHQAISPRTLNAWVKV
VEEKAFSPEVIPMFSALSEGATPQDLNTMLNTVGGHQAAMQMLKETINEEAAE
WDRVHPVHAGPIAPGQMREPRGSDIAGTTSTLQEQIGWMTNNPPIPVGEIYKR
WIILGLNKIVRMYSPTSILDIRQGPKEPFRDYVDRFYKTLRAEQASQEVKNWMT
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VTNSATIMMQRGNFRNQRKIVKCFNCGKEGHIARNCRAPRKKGCWKCGKEG
HQMKDCTERQANFLGKIWPSYKGRPGNFLQSRPEPTAPPFLQSRPEPTAPPEES
FRSGVETTTPSQKQEPIDKELYPLTSLRSLFGNDPSSQ

SEQ ID NO: 5

MGARASVLSGGELDRWEKVRLRPGGKKKYKLKHIVWASRELERFAVNPGLLE
TSEGCRQILGQLQPSLQTGSEELRSLYNTVATLYCVHQRIEIKDTKEALDKIEEE
QNKSKKKAQQAAADTGHSSQVSQNYPIVQNIQGQMVHQAISPRTLNAWVKV
VEEKAFSPEVIPMFSALSEGATPQDLNTMLNTVGGHQAAMQMLKETINEEAAE
WDRVHPVHAGPIAPGQMREPRGSDIAGTTSTLQEQIGWMTNNPPIPVGEIYKR
WIILGLNKIVRMYSPTSILDIRQGPKEPFRDYVDRFYKTLRAEQASQEVKNWMT
ETLLVQNANPDCKTILKALGPAATLEEMMTACQGVGGPGHKARVLAEAMSQ
VTNSATIMMQRGNFRNQRKIVKCFNCGKEGHIARNCRAPRKKGCWKCGKEG
HQMKDCTERQANFLGKIWPSYKGRPGNFLQSRPEPTAPPFLQSRPEPTAPPEES
FRSGVETTTPSQKQEPIDKELYPLTSLRSLFGNDPSSQ

SEQ ID NO: 6

TCC GGG CCC GGA ATG CCT ATA GTC CAG AAC ATC C

SEQ ID NO: 7

GCG GCC GCG TTT TGA GAA CGA AAT ACC GG

SEQ ID NO: 8

SEQ ID NO:1 with SEQ ID NO: 2 inserted between 12816 and 13552.